

## Create or Redesign a Creature

You can either making a brand-new creature or pick a current one. You will have to do some research online or in books. Make sure you credit those you take information from. Put the information into your own words.

**Project Due Date: November 25.**

PART 1:

Note: Make sure that you describe the environment as well as the adaptions that the creature has that allow it to survive and reproduce.

- Describe the creature and how its unique adaptions make it fit for survival in its environment.
- Describe how your creature and its environment has changed over time. What is different about that creature that allows it to survive in its new environment?
- Describe a new change to the environment and the adaptation the creature must undergo to survive and pass this on to its offspring. In this final change describe how the creature will survive in its new environment.
- You will have to make sure you describe the environment. For example, does your creature live in Antarctica or in British Columbia. Make sure you describe the weather, the temperature, types of food sources available, and kinds of landforms in the environment that help or hinder your creature. Is your creature an herbivore, a carnivore, or an omnivore?

PART 2:

- You will have to draw or make your creature. Make sure in part one the adaptions you describe are in detail so that I can tell what they are in your drawing or creation. You may want to label the adaptions making it easier for me to tell what they are.
- Now make sure you have read over all your work for spelling, periods and general grammar.
- Credit your sources. Do NOT use Wikipedia. See examples below:

### ***Sources of Information:***

Website: <https://www.britannica.com/animal/hare-mammal>

Book: Elementary Explorers Artic Foxes by: Victoria Blakemore

Sources of information: Reliable website examples:

<https://www.nationalgeographic.org/encyclopedia/antarctica/>

<https://www.britannica.com/animal/hare-mammal>

<https://newatlas.com/search/?q=the+arctic#nt=navsearch>

Reliable websites: use facts not opinions. They will often provide their sources of information on the website.

Common reliable websites will be posted on my website.

**Science: Create or Redesign a Creature Project Grade 7 Name:** \_\_\_\_\_

**Purpose: I understand that natural selection is a process in which animals adapt to fit their environment.**

**Curricular Competencies:**

- I can demonstrate a sustained intellectual curiosity about a scientific topic or problem
- I can make observations aimed at identifying questions I have about the natural world
- I can use scientific understanding to identify relationships and draw conclusions

<i>Criteria</i>	<b>Emerging: I can demonstrate an initial understanding of the concepts.</b>	<b>Developing: I can demonstrate a partial understanding of the concepts.</b>	<b>Proficient: I can demonstrate a complete understanding of the concepts.</b>	<b>Extending: I can demonstrate a sophisticated understanding of the concepts.</b>
<b>Information about your creature.</b>  <b>Adaptions (structural, behavioral, physiological)</b>	None of the adaptions make scientific sense in the environment the creature lives in.	Some of the adaptions make scientific sense in the environment the creature lives in.	All the adaptations will clearly help the creature survive in its environment. The adaptations are described with scientific language we have learned in class.	All the adaptions make scientific sense in the environment the creature lives in. They are described extensively with a variety of vocabulary. They used scientific language.
<b>The environment</b>  <b>Weather, landforms, food sources, other predators, prey.</b>	The environment is explained with no detail an no scientific language.	The environment is explained with few details and using some scientific language.	The environment is explained in detail using scientific language learned in class	The environment is explained with extensive details using scientific language. As well, there are reasons why the environment has changed that make scientific sense.
<b>Creature drawings or creations</b>	There is only one drawing or creation of the creature.	There is a simple drawing of the three forms of your creature. The first, transitional, and final form. Some of the forms will be in their environment.	There are three forms of your creature in detail: 1) First form 2) Transitional form 3) Final form	There are three forms of your creature with lots of detail and the adaptions are labeled. The first, transitional, and final form.

<p><b>Sources of information</b></p> <p>Google (is not a source of information and lets you find information) You are not allowed to use Wikipedia as a source of information.</p>	<p>There are no websites listed. The information from the sites matches up with what is said in the project.</p>	<p>There are few websites listed. The information from the sites matches up with what is said in the project.</p>	<p>There are at least 3 or more websites listed. The websites are reliable. See above for what reliable means.</p> <p>The information from the sites matches up with what is said in the project.</p>	<p>There are numerous scientific based websites listed. As well, the websites are reliable. The information from the sites matches up with what is said in the project.</p>
<p><b>Conventions:</b> Complete sentences Spelling Punctuation Grammar</p>	<p>Frequent errors in spelling. Very little to any punctuation. Sentences are often run-ons or fragments. Difficult to understand writing.</p>	<p>Some errors in spelling, punctuation, and grammar that do not interfere with the meaning. May have some run-on sentences or fragments, but the writing can still be understood.</p>	<p>May include some errors while trying to use more complex vocabulary.</p> <p>Sentences are written correctly. There may be a few sentences with mistakes, but they still make sense.</p>	<p>May include a few errors when trying to use more complex vocabulary. Sentences are correctly written. Overall, writing has few to no errors and is more sophisticated.</p>